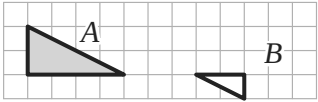
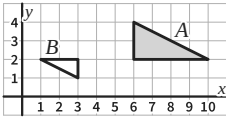
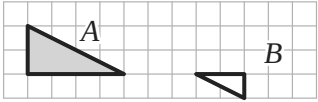
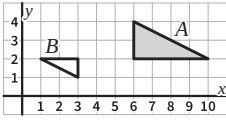


a Enlarge (6, 9) by scale factor $\frac{2}{3}$, centre (0, 0). Give the new point. $(4, 6)$ two thirds from (0, 0)	b Enlarge (7, 4) by scale factor $\frac{2}{3}$, centre (1, 1). Give the new point. $(5, 3)$ two thirds from a centre	c The centre is (1, 1). (7, 10) maps to (3, 4). Find the scale factor. $\frac{1}{3}$ a scale factor from one point	d Enlarging by scale factor $\frac{1}{2}$, centre (2, 0), gives (5, 3). Find the original point. $(8, 6)$ working back to the object
e B is A enlarged. Find the scale factor.  $-\frac{1}{2}$ a negative fraction from a grid	f Enlarging by scale factor -2 maps P to Q. Which scale factor maps Q to P? $-\frac{1}{2}$ the inverse of a negative	g Enlarge (5, 7) by scale factor $-\frac{1}{2}$, centre (1, 1). Give the new point. $(-1, -2)$ a negative fraction from a centre	h The centre is (2, 1). (3, 3) maps to (-1, -5). Find the scale factor. -3 a negative scale factor from one point
i Find the single scale factor for enlarging by 2, then by -3 , centre (0, 0). -6 two enlargements multiply	j $OP = 4$ cm. P' is P enlarged by scale factor -3 , centre O. Find PP' . 16 cm the image is the other side	k (4, 5) maps to (-2, -1) by scale factor -2 . Find the centre. $(2, 3)$ the centre from one point	l Find the centre: scale factor $-\frac{1}{2}$.  $(4, 2)$ the centre for a negative fraction

a Enlarge (6, 9) by scale factor $\frac{2}{3}$, centre (0, 0). Give the new point. $(4, 6)$ two thirds from (0, 0)	b Enlarge (7, 4) by scale factor $\frac{2}{3}$, centre (1, 1). Give the new point. $(5, 3)$ two thirds from a centre	c The centre is (1, 1). (7, 10) maps to (3, 4). Find the scale factor. $\frac{1}{3}$ a scale factor from one point	d Enlarging by scale factor $\frac{1}{2}$, centre (2, 0), gives (5, 3). Find the original point. $(8, 6)$ working back to the object
e B is A enlarged. Find the scale factor.  $-\frac{1}{2}$ a negative fraction from a grid	f Enlarging by scale factor -2 maps P to Q. Which scale factor maps Q to P? $-\frac{1}{2}$ the inverse of a negative	g Enlarge (5, 7) by scale factor $-\frac{1}{2}$, centre (1, 1). Give the new point. $(-1, -2)$ a negative fraction from a centre	h The centre is (2, 1). (3, 3) maps to (-1, -5). Find the scale factor. -3 a negative scale factor from one point
i Find the single scale factor for enlarging by 2, then by -3 , centre (0, 0). -6 two enlargements multiply	j $OP = 4$ cm. P' is P enlarged by scale factor -3 , centre O. Find PP' . 16 cm the image is the other side	k (4, 5) maps to (-2, -1) by scale factor -2 . Find the centre. $(2, 3)$ the centre from one point	l Find the centre: scale factor $-\frac{1}{2}$.  $(4, 2)$ the centre for a negative fraction